



SERVICE BULLETIN # 00276

426 INDUSTRIAL BOULEVARD • KEARNEYSVILLE WV 25430-2776 • USA
Phone: (304) 728-7056 • Fax: (304) 725-6579 • Toll Free: (800) 931-9214

PAGE: 1 of 4
DATE: 9-15-06
REVISION: 00

SUBJECT: RVV NG Shelf Relocation

of People
Required



MODELS: RVV NG

Kit Number

Kit Description

356029

RVV NG Shelf Relocation Kit

TOOLS REQUIRED: Drill / screwgun with 1/8" (3 mm) bit, 3/8" (10 mm) nutdriver tip, Phillips (cross-head) screw tip; needle-nose pliers, level / straight-edge, flashlight (torch), gloves

ESTIMATED INSTALLATION TIME: 1 hour – 1h 15m

REASON FOR BULLETIN: Some very tall packages may not be vendible on the top shelf of the RVV NG. In order to be able to vend these very tall packages on all shelves, the shelves must be systematically lowered. This bulletin explains the correct procedure for lowering the shelves.



The following areas of this vender contain voltage which can cause serious injury or even death: the main power cord, supplying 110 VAC to the evaporator, EMI filter, and refrigeration system; the power line from the EMI filter to the ballast and transformer; and the ballast, which can produce upwards of 600 volts. Remove power from vender before working in any of these areas.

INSTALLATION INSTRUCTIONS:

1. Remove power to the vender by unplugging the vender's main power cord from the AC voltage source (wall outlet).
2. Measure the distance between the bottom edge of the fifth (lowest) shelf and the top of the home sensor magnet bracket. If the distance measures less than 1/4" (6 mm), the hat section of the home sensor magnet assembly must be replaced (during Step 8, below). If the distance measures 1/4" (6 mm) or more, the hat section will **not** need to be replaced.
3. Remove all five product shelves. To remove the shelves, straighten the shelf locking tab upward with pliers. (See Figure 1.) Pull the shelves straight out to remove them.
4. Remove the three screws which secure each shelf slide bracket. (See Figure 2.) Remove the brackets from the vender.
5. Mount the template as shown in Figure 3.
6. Use a 1/8" (3 mm) bit to create new holes as shown in Figure 3.
7. Once the holes have been drilled, move the template down to the next position to be drilled, 10.675" (271 mm) below the first position. Make sure to create holes for both sides of the shelf in the front and in the rear (20 holes).
8. If the distance measured in Step 2 was **less than 1/4" (6 mm)**, replace the hat section of the home sensor magnet assembly. First, remove the plastic magnet bracket from the hat section. Then, remove the hat section from the vender. Replace it with the new hat section included in the kit. Once the new hat section is mounted in the vender, reattach the plastic magnet bracket that was removed. (See Figure 4.) Using the level or straight-edge, make sure the assembly is flush with the front edge of the vender's cabinet.
9. Reinstall the shelf slide brackets. To install each bracket, insert the two self-tapping screws removed in Step 4 into the new holes that were drilled (one in the front and one in the rear of the cabinet). Do not tighten these screws; they should be screwed in enough to hold the brackets, but not enough to secure the brackets in a fixed position.
10. Reinstall product shelves 1 through 4. Ensure that the right edges of the shelves slide securely into the hem of the right-side shelf slide bracket. Slide the shelves in fully so that they are seated in the shelf bracket slot. **NOTE: Do not install shelf 5 at this point, as the shelf slide bracket mounting screws will be inaccessible with the shelf mounted. Shelf 5 will be installed later. Also, ensure the cells are installed in correct numerical order (10, 20, etc.).**
11. Using a 3/8" (10 mm) nutdriver, remove the bolts which secure the inner door assembly. Remove the inner door assembly from the vender.
12. Using a Phillips (cross-head) screwdriver, remove the door switchet brackets.
13. Using a level (or other straight-edged tool at least 36" [92 cm] long), set each product shelf so that it is flush with the front of the cabinet. The shelves may not protrude past the front of the vender, but should be recessed no more than 1/32" (1 mm).

In an effort to provide our customers with the latest information on our equipment, Royal Vendors sends service bulletins to customers using the original ship-to address or e-mail addresses, if supplied by our customers. We also post all service bulletins on our website at www.royalvendors.com. If for any reason a vender is moved to another location or is sold to another customer other than to whom Royal Vendors originally sent the machine, it is the responsibility of the original purchaser of the vender to notify the appropriate personnel of the service bulletin.

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14. With the shelves properly adjusted, tighten the self-tapping screws (front and rear) on all the shelf slide brackets on shelves 1 through 4.
15. Install and tighten the self-drilling screws in their proper locations. (See Figure 2.) Repeat this for shelves 1 through 4.
16. Measure the distance between the front edge of the vender and the front edge of the shelf slide brackets for shelf 4.
17. Adjust the shelf slide brackets for shelf 5 so that they are exactly the same distance from the front of the vender as the brackets for shelf 4. (See Figure 5.)
18. Install and tighten the self-tapping screws in the brackets for shelf 5 to secure them in place.
19. Reinstall product shelf 5. Ensure that the shelf slides securely into the shelf slide brackets. Using the level or straight-edge, ensure that the shelf is flush with the cabinet. Remove the shelf. Adjust the self-tapping screws, if necessary.
20. Install and tighten the self-drilling screws in the brackets for shelf 5, then reinstall the shelf.
21. Bend the locking tabs back into position to lock the product shelves in place.
22. Reinstall the inner door assembly. Secure it with the 3/8" (10 mm) bolts that were removed in Step 11.
23. Reinstall the door switch brackets that were removed in Step 12.
24. Calibrate the vending mechanism. (See the vender's Service Manual for calibration instructions.)
25. Test vend extensively to ensure product reliability. All cells should be test vended, especially corner cells (11, 18, 51, and 58).

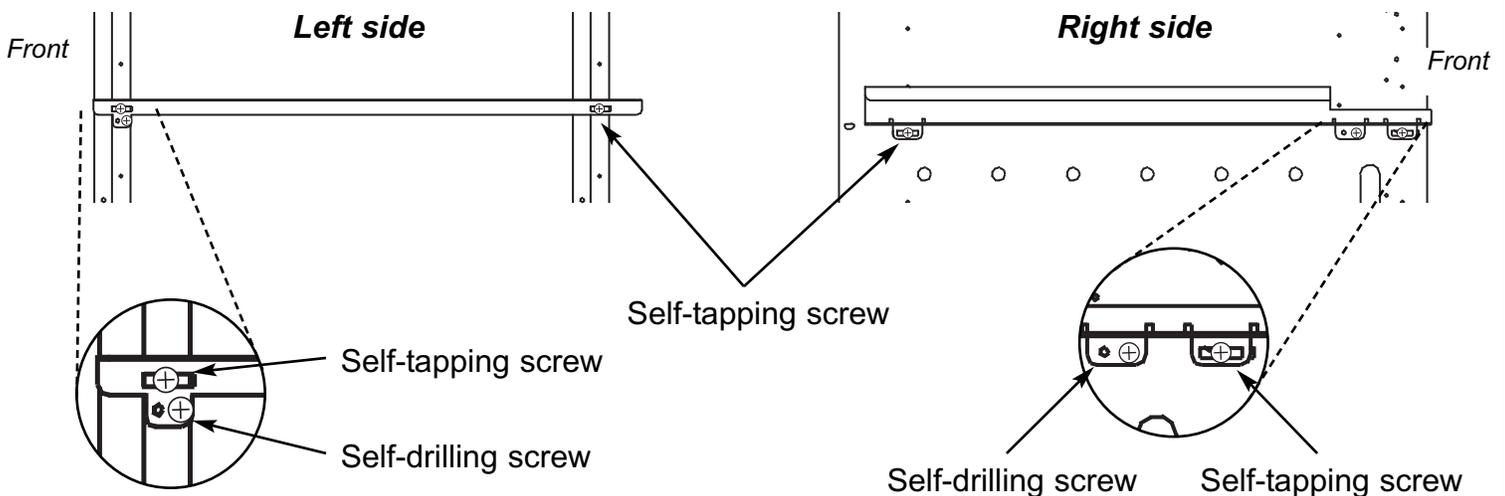
Figure 1

Shelf locking tab



Figure 2

Locations of screws in shelf slide brackets



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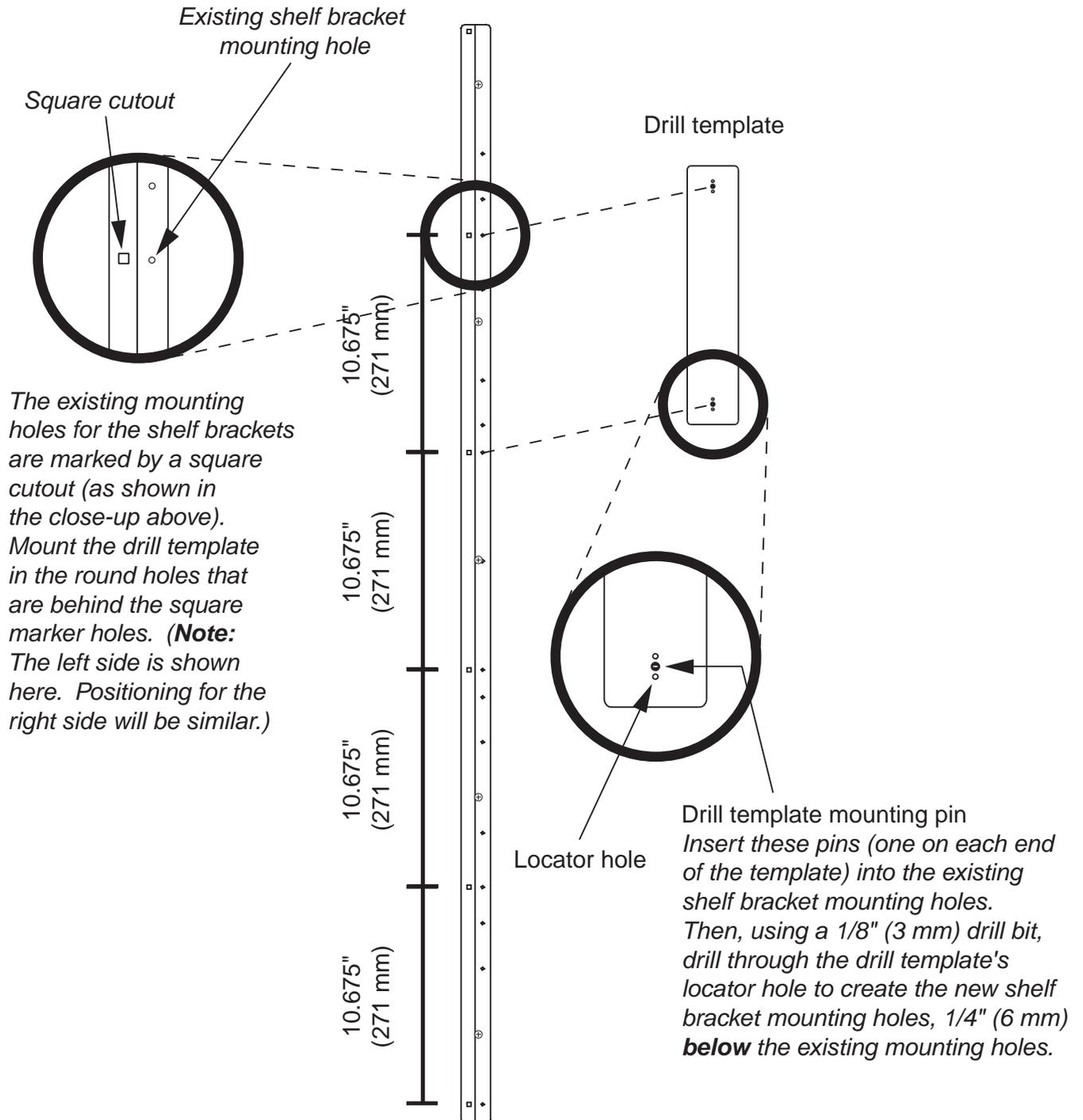
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Figure 3

(Left side bracket shown)



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Figure 4

Home sensor magnet assembly



Plastic magnet bracket

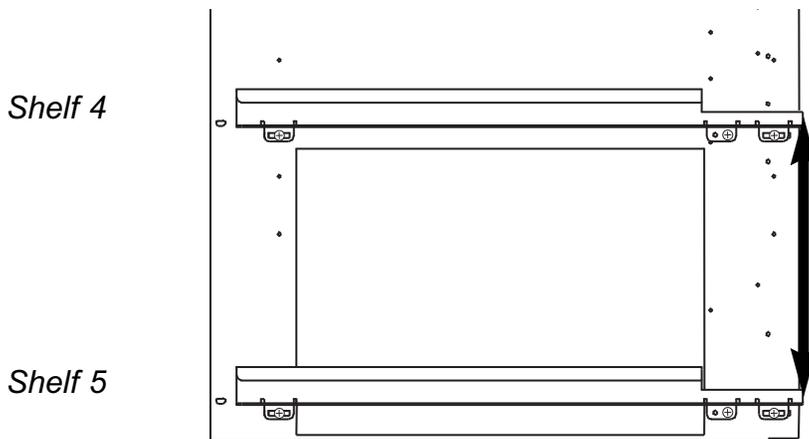
To remove the plastic magnet bracket from the hat section, remove this screw which secures the bracket.

Hat section
The hat section is secured by two screws.

Additional spacers for the hat section are included in the kit. If the hat section is too low, the vender's product cup may not be able to reach the home sensor magnet. Use these spacers to raise the assembly enough for the cup to access the home sensor magnet.

Figure 5

Adjusting shelf 5



The front edges of the slide brackets for shelves 4 and 5 should be even and flush with the front of the vender.

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